Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/25/2019 11:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123283	-2	1.84	123358	1.84
Blue	F	SSC	125000	125420	0	1.49	126277	1.52
Blue	E	FITC	16694	16422	-2	2.79	356	19.01
Blue	D	PE	32792	32314	-2	2.00	705	14.41
Blue	B	PerCP-Cy5-5	44451	43937	-2	3.63	1185	19.63
Blue	A	PE-Cy7	33645	33836	0	6.02	648	40.24
Red	C	APC	47008	46528	-2	2.51	1648	12.12
Red	A	APC-Cy7	32298	31189	-4	2.56	822	11.70
Violet	B	V450	8961	8572	-5	4.29	476	12.96
Violet	A	V500	32726	32386	-2	4.11	751	10.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20861	3.50	603	-10	N/A	N/A	Pass
Blue	F	SSC	56835	1.11	544	-24	N/A	N/A	Pass
Blue	E	FITC	65	62.06	541	-22	0.0237	140	Pass
Blue	D	PE	147	48.91	548	-18	0.1740	288	Pass
Blue	B	PerCP-Cy5-5	217	48.73	645	-26	0.0104	66	Pass
Blue	A	PE-Cy7	120	99.47	697	-29	0.0118	12	Pass
Red	C	APC	392	25.01	586	-27	0.0258	94	Pass
Red	A	APC-Cy7	182	28.29	560	-25	0.0065	1010	Pass
Violet	B	V450	74	58.90	470	-16	0.0579	2207	Pass
Violet	A	V500	112	32.06	481	-15	0.0221	442	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.69	-31.63	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.59	13.60 - 20.40	N/A	N/A	29.40	29.64	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9532

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments